

CLAIMS

1. An electrode structure comprising a support having bending processed portions, an electrode layer formed on the support so as to pass over the bending processed portions, and an insulating layer formed on the electrode layer passing over the bending processed portions, wherein the glass transition temperature of at least one dielectric material of the dielectric materials forming the insulating layer is 25°C or below.
2. The electrode structure according to claim 1, wherein the thickness of the insulating layer is 0.5 μm to 100 μm .
3. The electrode structure according to claim 1 or 2, wherein the support is formed with a polyethylene terephthalate film or an insulating base formed with an aluminum foil coated or laminated with an insulating film.
4. The electrode structure according to any one of claims 1 to 3, wherein the electrode layer comprises at least one material belonging to the group consisting of silver, silver chloride and carbon.
5. The electrode structure according to any one of claims 1 to 4, wherein the portions of the electrode layer passing over the bending processed portions are formed of a paste which contains carbon as the main component.
6. The electrode structure according to any one of claims 1 to 5, wherein the interior angles and the conjugate angles of the bending processed portions are 90 degrees to 270 degrees.

7. A method for manufacturing an electrode structure, comprising the steps of:

forming an electrode layer having a terminal portion on a support;

5 forming an insulating layer, which includes a dielectric material having a glass transition temperature of 25°C or below, on the terminal portion of the electrode layer; and

performing a bending process of specific portions of the support including the insulating layer.

10 8. The method for manufacturing the electrode structure according to claim 7, wherein the insulating layer is formed by a screen printing.